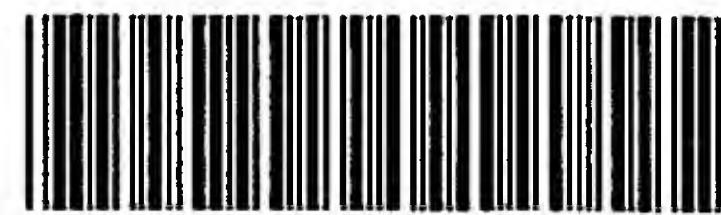


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/582,654
Source: IFWP
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PATENT APPLICATION: US/10/582,654

DATE: 06/22/2006
TIME: 12:50:23

Input Set : A:\seq listing.app
Output Set: N:\CRF4\06222006\J582654.raw

3 <110> APPLICANT: Ono et al.
5 <120> TITLE OF INVENTION: Modified antibodies recognizing receptor trimers or higher multimers
7 <130> FILE REFERENCE: 75996-01
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/582,654
C--> 9 <141> CURRENT FILING DATE: 2006-06-12
9 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/018507
10 <151> PRIOR FILING DATE: 2004-12-10
12 <150> PRIOR APPLICATION NUMBER: JP 2003-415735
13 <151> PRIOR FILING DATE: 2003-12-12
15 <160> NUMBER OF SEQ ID NOS: 42
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 797
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial
24 <220> FEATURE:
25 <223> OTHER INFORMATION: An artificially synthesized nucleotide sequence
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30 gtccagtgtg aggtacagct gttggagtct gggggaggct tggtacagcc tgggagggtcc 120
32 ctgagactct cctgtgcagc ctctggattc accttttagca gctatgccat gagctgggtc 180
34 cgccaggctc cagggaaagg gctggagtgg gtctcagcta ttagtggtag tggtggttagc 240
36 agatactacg cagactccgt gaagggccgg ttcaccatct ccagagacaa ttccaagaac 300
38 acgctgtatc tgcaaattgaa cagcctgaga gccgaggaca cggccgtata ttactgtgcg 360
40 aaagagagca gtggctggtt cggggcctt gactactggg gccaggaaac cctggtcacc 420
42 gtctcctcag gtggagaaat tgtgctgact cagtctccag actttcagtc tgtgactcca 480
44 aaggagaaaag tcaccatcac ctgccgggcc agtcagagca ttggtagtag cttacactgg 540
46 taccagcaga aaccagatca gtctccaaag ctccatca agtatgcttc ccagtccccc 600
48 tcaggggtcc cctcgaggtt cagttggcagt ggatctggga cagatttcac cctcaccatc 660
50 aatagcctgg aagctgaaga tgctgcagcg tattactgtc atcagagtag tagttaccg 720
52 atcaccttcg gccaaaggac acgactggag attaaagact acaaggatga cgacgataag 780
54 tgataagcgg ccgcaat 797
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59 <212> TYPE: PRT
60 <213> ORGANISM: Artificial
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63 <223> OTHER INFORMATION: An artificially synthesized peptide sequence
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67 1 5 10 15
69 Val Gln Cys Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln
70 20 25 30

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73 35 40 45
75 Ser Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
76 50 55 60
78 Glu Trp Val Ser Ala Ile Ser Gly Ser Gly Ser Arg Tyr Tyr Ala
79 65 70 75 80
81 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn
82 85 90 95
84 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val
85 100 105 110
87 Tyr Tyr Cys Ala Lys Glu Ser Ser Gly Trp Phe Gly Ala Phe Asp Tyr
88 115 120 125
90 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Glu Ile Val
91 130 135 140
93 Leu Thr Gln Ser Pro Asp Phe Gln Ser Val Thr Pro Lys Glu Lys Val
94 145 150 155 160
96 Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Gly Ser Ser Leu His Trp
97 165 170 175
99 Tyr Gln Gln Lys Pro Asp Gln Ser Pro Lys Leu Leu Ile Lys Tyr Ala
100 180 185 190
102 Ser Gln Ser Phe Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser
103 195 200 205
105 Gly Thr Asp Phe Thr Leu Thr Ile Asn Ser Leu Glu Ala Glu Asp Ala
106 210 215 220
108 Ala Ala Tyr Tyr Cys His Gln Ser Ser Ser Leu Pro Ile Thr Phe Gly
109 225 230 235 240
111 Gln Gly Thr Arg Leu Glu Ile Lys Asp Tyr Lys Asp Asp Asp Lys
112 245 250 255
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116 <211> LENGTH: 794
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121 <223> OTHER INFORMATION: An artificially synthesized nucleotide sequence
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128 ctgagactct cctgtgcagc ctctggattc accttttagca gctatgccat gagctgggtc 180
130 cgccaggctc caggaaaggg gctggagtggtt gtctcagcta ttagtggtag tggtggtagc 240
132 agatactacg cagactccgt gaagggccgg ttcaccatct ccagagacaa ttccaagaac 300
134 acgctgtatc tgcaaattgaa cagcctgaga gccgaggaca cggccgtata ttactgtgcg 360
136 aaagagagca gtggctggtt cggggcctt gactactggg gccagggAAC cctggtcacc 420
138 gtctcctcag gtgaaattgt gctgactcag tctccagact ttcagttgt gactccaaag 480
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144 ggggtcccct cgaggtttag tggcagtgga tctgggacag atttcaccct caccatcaat 660
146 agcctggaag ctgaagatgc tgcagcgtat tactgtcatc agagtagtag tttaccgatc 720
148 accttcggcc aaggacacg actggagatt aaagactaca aggtgacga cgataagtga 780
150 taagcggccg caat 794

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153 <210> SEQ ID NO: 4
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 155 <212> TYPE: PRT
 156 <213> ORGANISM: Artificial
 158 <220> FEATURE:
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 166 20 25 30
 168 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
 169 35 40 45
 171 Ser Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
 172 50 55 60
 174 Glu Trp Val Ser Ala Ile Ser Gly Ser Gly Ser Arg Tyr Tyr Ala
 175 65 70 75 80
 177 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn
 178 85 90 95
 180 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val
 181 100 105 110
 183 Tyr Tyr Cys Ala Lys Glu Ser Ser Gly Trp Phe Gly Ala Phe Asp Tyr
 184 115 120 125
 186 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Glu Ile Val Leu
 187 130 135 140
 189 Thr Gln Ser Pro Asp Phe Gln Ser Val Thr Pro Lys Glu Lys Val Thr
 190 145 150 155 160
 192 Ile Thr Cys Arg Ala Ser Gln Ser Ile Gly Ser Ser Leu His Trp Tyr
 193 165 170 175
 195 Gln Gln Lys Pro Asp Gln Ser Pro Lys Leu Leu Ile Lys Tyr Ala Ser
 196 180 185 190
 198 Gln Ser Phe Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly
 199 195 200 205
 201 Thr Asp Phe Thr Leu Thr Ile Asn Ser Leu Glu Ala Glu Asp Ala Ala
 202 210 215 220
 204 Ala Tyr Tyr Cys His Gln Ser Ser Ser Leu Pro Ile Thr Phe Gly Gln
 205 225 230 235 240
 207 Gly Thr Arg Leu Glu Ile Lys Asp Tyr Lys Asp Asp Asp Asp Lys
 208 245 250 255
 211 <210> SEQ ID NO: 5
 212 <211> LENGTH: 791
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 214 <213> ORGANISM: Artificial
 216 <220> FEATURE:
 217 <223> OTHER INFORMATION: An artificially synthesized nucleotide sequence
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230	acgctgtatc	tgcaaatgaa	cagcctgaga	gccgaggaca	cggccgtata	ttactgtgcg	360										
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234	gtctcctcag	aaatttgtct	gactcagttc	ccagactttc	agtctgtgac	tccaaaggag	480										
236	aaagtcacca	tcacctgccc	ggccagtcag	agcattggta	gtagcttaca	ctggtaccag	540										
238	cagaaaaccag	atcagtctcc	aaagctcctc	atcaagtatg	cttcccagtc	cttctcaggg	600										
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242	ctggaaagctg	aagatgctgc	agcgttattac	tgtcatcaga	gttagtagttt	accgatcacc	720										
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261	Val	Gln	Cys	Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	
262					20				25					30			
264	Pro	Gly	Arg	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	
265					35				40					45			
267	Ser	Ser	Tyr	Ala	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	
268					50				55					60			
270	Glu	Trp	Val	Ser	Ala	Ile	Ser	Gly	Ser	Gly	Gly	Ser	Arg	Tyr	Tyr	Ala	
271	65				70				75					80			
273	Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	
274					85				90					95			
276	Thr	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	
277					100				105					110			
279	Tyr	Tyr	Cys	Ala	Lys	Glu	Ser	Ser	Gly	Trp	Phe	Gly	Ala	Phe	Asp	Tyr	
280					115				120					125			
282	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser	Glu	Ile	Val	Leu	Thr	
283					130				135					140			
285	Gln	Ser	Pro	Asp	Phe	Gln	Ser	Val	Thr	Pro	Lys	Glu	Lys	Val	Thr	Ile	
286	145				145				150					155			160
288	Thr	Cys	Arg	Ala	Ser	Gln	Ser	Ile	Gly	Ser	Ser	Leu	His	Trp	Tyr	Gln	
289					165				170					175			
291	Gln	Lys	Pro	Asp	Gln	Ser	Pro	Lys	Leu	Leu	Ile	Lys	Tyr	Ala	Ser	Gln	
292					180				185					190			
294	Ser	Phe	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	
295					195				200					205			
297	Asp	Phe	Thr	Leu	Thr	Ile	Asn	Ser	Leu	Glu	Ala	Glu	Asp	Ala	Ala	Ala	
298					210				215					220			
300	Tyr	Tyr	Cys	His	Gln	Ser	Ser	Ser	Leu	Pro	Ile	Thr	Phe	Gly	Gln	Gly	
301	225				225				230					235			240
303	Thr	Arg	Leu	Glu	Ile	Lys	Asp	Tyr	Lys	Asp	Asp	Asp	Asp	Lys			

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/582,654

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312 <220> FEATURE:		
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320 ctgagactct cctgtgcagc ctctggattc accttttagca gctatgccat gagctgggtc	180	
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326 acgctgtatc tgcaaataa cagcctgaga gccgaggaca cggccgtata ttactgtgcg	360	
328 aaagagagca gtggctggtt cggggcctt gactactgg gccagggAAC cctggtcacc	420	
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336 cagtcatttct caggggtccc ctcgagggtc agtggcagtg gatctggac agatttcacc	660	
338 ctcaccatca atagcctgga agctgaagat gctgcagcgt attactgtca tcagagtagt	720	
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342 gctgcaggag gtcccggtc cgggtacag ctgttggagt ctggggagg cttggtagc	840	
344 cctggaggt ccctgagact ctccctgtca gcctctggat tcacctttag cagctatgcc	900	
346 atgagctggg tccggccaggc tccagggaa gggctggagt gggctcagc tattatgtgt	960	
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350 aattccaaga acacgctgta tctgcaaataa aacagcctga gagccgagga cacggccgta	1080	
352 tattactgtg cgaaagagag cagtggctgg ttccgggcct ttgactactg gggccaggaa	1140	
354 accctggta ccgtctccctc agtggaggc ggatcgaaaa ttgtgctgac tcagtctcca	1200	
356 gactttcagt ctgtgactcc aaaggagaaa gtcaccatca cctggccggc cagtcagagc	1260	
358 attggtagta gtttacactg gtaccagcag aaaccagatc agtctccaaa gtcctcatc	1320	
360 aagtatgctt cccagtcctt ctcagggtc ccctcgaggt tcagtggcag tggatctggg	1380	
362 acagattca ccctcaccat caatagcctg gaagctgaag atgctgcagc gtattactgt	1440	
364 catcagagta gtatTTacc gatcacccctc ggccaaggga cacgactgga gattaaagac	1500	
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372 <213> ORGANISM: Artificial		
374 <220> FEATURE:		
375 <223> OTHER INFORMATION: An artificially synthesized peptide sequence		
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382 20 25 30		
384 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe		
385 35 40 45		
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388 50 55 60		

RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : A:\seq listing.app
Output Set: N:\CRF4\06222006\J582654.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/582,654

DATE: 06/22/2006

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date